SEQUENCE LISTING

<110> Mirkin, Chad A.
      Letsinger, Robert L.
      Mucic, Robert C.
      Storhoff, James J.
      Elghanian, Robert
      Taton, Thomas A.

<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
      AND USES THEREFOR

<130> 4149-1-1-1-1

<140> Not Yet Assigned
<141> 2000-06-26

<150> 60/031,809
<151> 1996-07-29

<150> PCT/US97/12783
<151> 1997-07-21

<150> 09/240,755
<151> 1999-01-29

<150> 09/344,667
<151> 1999-06-25

<150> 60/200,161
<151> 2000-04-26

<160> 64

<170> PatentIn Ver. 2.1

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<400> 1
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<210> 2
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<220>
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<400> 2
atggcaacta tacgcgctag                                        20


<210> 3
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<220>
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<400> 3
ccttgagatt tccctc                                            16


<210> 4
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<220>
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      synthetic sequence

<400> 4
gagggaaatc tcaagg                                            16


<210> 5
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      synthetic sequence
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<400> 5
aacttgcgct aatggcga                                                         18


<210> 6
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<400> 6
aagttgcgct ttacggctaa tggcga                                                26


<210> 7
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<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 7
tctccttccc ttttc                                                            15


<210> 8
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<400> 8
gaaaagggaa ggaga                                                            15


<210> 9
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<220>
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<400> 9
cttttcccttt cctct   15

<210> 10
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<400> 10
aaacgactct agcgcgtata gttgccat   28

<210> 11
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<220>
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<400> 11
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<220>
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<400> 12
cctatcgacc atgct   15

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<210> 13
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<400> 13
agcatggtcg ataggaaacg actctagcgc                                    30


<210> 14
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<400> 14
gcgctagagt cgttt                                                    15


<210> 15
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<400> 15
agcatggtcg ataggatggc aactatacgc                                    30


<210> 16
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<400> 16
gtcgatagga aacgactcta gcgc                                          24


<210> 17
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<400> 17
agcatggttg atag aaacg actctagcgc                                    30


<210> 18
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agcatgtttg ataggaaacg actctagcgc                                    30


<210> 19
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<220>
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<400> 19
tctcaactcg ta                                                       12


<210> 20
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<400> 20
cgcattcagg at   12

<210> 21
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<220>
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<400> 21
tacgagttga gagagtgccc acat   24

<210> 22
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<400> 22
tacgagttga gaatcctgaa tgcg   24

<210> 23
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tacgagttga gaatcctgaa tgct   24

<210> 24

<211> 24
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<400> 24
tacgagttga gactcctgaa tgcg   24

<210> 25
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<210> 26
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<220>
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<400> 26
tacgagttga gacatcctga atgcg   25

<210> 27
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<400> 27

8

tacgagttga gaatcctgaa tgcg   24

<210> 28
<211> 12
<212> DNA
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<220>
<223> Description of Artificial Sequence:random
      synthetic sequence

<400> 28
taggacttac gc   12

<210> 29
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
      synthetic sequence

<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg   48

<210> 30
<211> 24
<212> DNA
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<220>
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<400> 30
tgcatgattg cctcgtctta acgg   24

<210> 31
<211> 72
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:random
     synthetic sequence

<400> 31
tacgagttga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac 60
atcctgaatg cg   72

<210> 32
<211> 48
<212> DNA
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<220>
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<400> 32
gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg   48

<210> 33
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<400> 33
tctcaactcg ta   12

<210> 34
<211> 24
<212> DNA
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<220>
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     synthetic sequence

<400> 34
tacgagttga gaatcctgaa tgcg   24

<210> 35

10

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<211> 12
<212> DNA
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<220>
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      synthetic sequence

<400> 35
cgcattcagg at                                                          12


<210> 36
<211> 141
<212> DNA
<213> anthrax

<400> 36
ggcggatgag tcagtagtta aggaggctca tagagaagta attaattcgt caacagaggg 60
attattgtta aatattgata aggatataag aaaaatatta tccagggtta tattgtagaa 120
attgaagata ctgaagggct t                                               141


<210> 37
<211> 15
<212> DNA
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<220>
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<400> 37
taacaataat ccctc                                                       15


<210> 38
<211> 15
<212> DNA
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<220>
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<400> 38
atccttatca atatt                                                       15
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<210> 39
<211> 30
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<400> 39
tgagcctcct taactactga ctcatccgcc   30

<210> 40
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<400> 40
tgttgacgaa ttaattactt ctcta   25

<210> 41
<211> 27
<212> DNA
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<400> 41
tataaccctg gataatattt ttcttat   27

<210> 42
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     synthetic sequence

12

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<400> 42
aagccttca gtatcttcaa tttctacaa                                    29


<210> 43
<211> 22
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<220>
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      synthetic sequence

<400> 43
tctcaactcg taaaaaaaa aa                                           22


<210> 44
<211> 24
<212> DNA
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<220>
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      synthetic sequence

<400> 44
tacgagttga gaatcctgaa tgcg                                        24


<210> 45
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 45
aaaaaaaaaa cgcattcagg at                                          22


<210> 46
<211> 22
<212> DNA
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13

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<400> 46
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<210> 47
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
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<400> 47
aaaaaaaaaa cgcattcagg at   22

<210> 48
<211> 24
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<213> Artificial Sequence

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<400> 48
tacgagttga gaatcctgaa tgcg   24

<210> 49
<211> 24
<212> DNA
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<400> 49
ctacttagat ccgagtgccc acat   24

14

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<400> 50
cgcattcagg at                                                    12


<210> 51
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 51
aaaaaaaaaa aaaaaaaaaa cgcattcagg at                              32


<210> 52
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<220>
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      synthetic sequence

<400> 52
cgcattcagg atwwwwwwww wwwwwwwww ww                               32


<210> 53
<211> 12
<212> DNA
<213> Artificial Sequence

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atcctgaatg cg   12

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<400> 54
atcctgaatg cg   12

<210> 55
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aaaaaaaaaa aaaaaaaaaa   20

<210> 56
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<212> DNA
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<400> 56
ggattattgt taattattga taaggat   27

<210> 57
<211> 12
<212> DNA
<213> Anthrax

<400> 57
taacaatnat cc   12

16

<210> 58
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<400> 58
atccttatca atatt   15

<210> 59
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<220>
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tctcaactcg ta   12

<210> 60
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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<400> 60
tacgagttga gaatcctgaa tgcg   24

<210> 61
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 61
gcgtaagtcc taacgtacta acggagcaga attgccagag ttgagcat   48

<210> 62
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 62
gcgtaagtcc tacaacaggc atttcgcagg ttatatacgt actaacggag cagaattgcc 60
agagttgagc at   72

<210> 63
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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<400> 63
tgcatgattg cctcgtctta acgg   24

<210> 64
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 64
gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg   48